

2 Williams Street
Chelsea, MA 02150
(617) 889 - 6515



INSPECTORATE

QUALITY CERTIFICATE

Vessel	"New Hampshire"	Port	Providence, RI	Report	121606
Customer	Sprague Energy	Date	December 11, 2006	Reference	
Operation	Analysis	Terminal	Sprague Providence	Sample #	1134044

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

No. 6 Fuel Oil

Shore Tank 6 After Discharge
Inspectorate
Inspectorate

Tests being Performed	Test method	Sample Results		
Gravity API @ 60F / Denisty	D - 4052	12.1	/	0.9853
Flash Point, PMCC, F	D - 93		184	
Viscosity cSt @ 104F	D - 445		352.6	
Viscosity SSU @ 104F	D - 2161		166.5	
Pour Point C / F	D - 97		-6 / 21	
Sulfur , Wt%	D - 4294		0.898	
Water and Sediment, Vol %	D - 1796		<0.01	
Sediment by Extraction, wt%	D - 473		0.05	
Water by Distillation, Vol%	D - 95		<0.1	
Gross Heat of Combustion, BTU / lb	D - 240		18,388	
Gross Heat of Combustion, BTU / gal	D - 240		150,897	
Ash, wt %	D - 482		0.05	
Vanadium, ppm	D - 5863B		68	
Sodium, ppm	D - 5863B		6	
Nitrogen, wt%	D - 5762		0.484	
Ashphaltenes, wt%	IP - 143		4.53	
Conradson Carbon Residue	D - 189		7.65	
<p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p>				

** Annotates Analysis Contracted Out

*** Annotates Loadport Information- this test was not performed by Inspectorate